

101034014

Coyte



CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify that this document is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313 on the date set forth below.

*Therese K. Fox*

(signature)

Date of signature and deposit: Aug 16, 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:

Inventio AG

Patent No.: 7,013,605

Issued: March 21, 2006

Attorney Docket 132702-0072

(Formerly 15819)

For: DOOR SUSPENSION APPARATUS

Attention Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION  
OF OFFICE MISTAKE UNDER 37 CFR 1.322**

**Certificate**  
AUG 23 2006  
**Correction**

Sir:

Upon a review of the above-mentioned patent, Patentees have noticed an error by the Office in the filing date printed on the cover page of the issued patent. The filing date listed on the patent is January 3, 2002 and the correct filing date is December 20, 2001.

Accordingly, Patentees have enclosed a Certificate of Correction, form PTO/SB/44, to correct this error that occurred through the fault of the Office, which mistake is clearly disclosed in the records of the Office. As proof, Patentees submit the following which unequivocally support the patentee's assertion that the correction is due to an error attributable to the Office:

1) The applicants requested correction of the application filing date from January 3, 2002 to December 20, 2001 via a petition filed on March 18, 2002, refiled on June 2,

AUG 24 2006

2003 and supplemented via FAX on July 18, 2003 and July 21, 2003 and granted by the Office of Petitions on July 24, 2003, a copy of which is attached hereto;

2) A Corrected Filing Receipt issued on August 12, 2003, which shows the filing date corrected to December 20, 2001, a copy of which is attached hereto; and

3) A Corrected publication was issued on December 4, 2003, which shows the filing dated corrected to December 20, 2001, a copy of which is attached hereto.

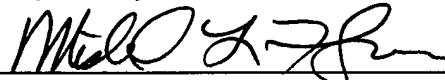
Despite this, the Office published the patent on March 21, 2006 with the original incorrect date of January 3, 2002.

The correction requested is an error that was incurred through the fault of the Office, which mistake is clearly disclosed in the records of the Office, and is accompanied by the documentation noted above that unequivocally supports the Patentee's assertion.

As this is a request under 37 CFR § 1.322, no fee transmittal form is enclosed herewith.

Issuance of a Certificate of Correction is hereby respectfully requested.

Respectfully submitted,



Michael L. Flynn, Reg. No. 47,566  
(248) 258-1318

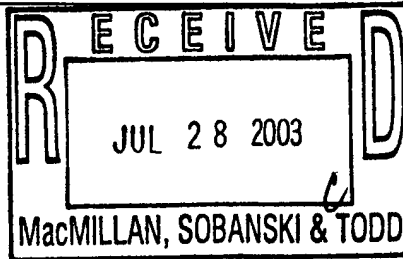
Dated: 8/15/2006

Butzel Long  
Suite 200  
100 Bloomfield Hills Parkway  
Bloomfield Hills, MI 48304

c:\cf\ 0072 Inventio CertofCorrectionXmit



UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
P.O. Box 1450  
ALEXANDRIA, VA 22313-1450  
www.uspto.gov

JJGjr: 07-03

Paper No: 8

MACMILLAN SOBANSKI & TODD, LLC  
ONE MARITIME PLAZA FOURTH FLOOR  
720 WATER STREET  
TOLEDO OH 43604-1619

DOCKETED  
File To WJZ/MCF  
7/20/03 FEE

COPY MAILED

JUL 24 2003

OFFICE OF PETITIONS

In re Application of  
Zhou, et al.

Application No. 10/034,014

Filed: 20 December, 2001

Attorney Docket No.: 15819US

DECISION ON PETITION

This is the decision on the petition filed on 18 March, 2002, refiled on 2 June, 2003, and supplemented via FAX on 18 July and 21 July, 2003, to correct a filing date under 37 C.F.R. §1.10.<sup>1</sup>

The regulations at 37 C.F.R. §1.10 provide:

**§ 1.10 Filing of papers and fees by "Express Mail."**

(a) Any correspondence received by the Patent and Trademark Office (Office) that was delivered by the "Express Mail Post Office to Addressee" service of the United States Postal Service (USPS) will be considered filed in the Office on the date of deposit with the USPS. The date of deposit with the USPS is shown by the "date-in" on the "Express Mail" mailing label or other official USPS notation. If the USPS deposit date cannot be determined, the correspondence will be accorded the Office receipt date as the filing date. See § 1.6(a).

(b) Correspondence should be deposited directly with an employee of the USPS to ensure that the person depositing the correspondence receives a legible copy of the "Express Mail" mailing label with the "date-in" clearly marked. Persons dealing indirectly with the employees of the USPS (such as by deposit in an "Express Mail" drop box) do so at the risk of not receiving a copy of the "Express Mail" mailing label with the desired "date-in" clearly marked. The paper(s) or fee(s) that constitute the correspondence should also include the "Express Mail" mailing label number thereon. See paragraphs (c), (d) and (e) of this section.

(C) Any person filing correspondence under this section that was received by the Office and delivered by the "Express Mail Post Office to Addressee" service of the USPS, who can show that there is a discrepancy between the filing date accorded by the Office to the correspondence and the date of deposit as shown by the "date-in" on the "Express Mail" mailing label or other official USPS notation, may petition the Commissioner to accord the correspondence a filing date as of the "date-in" on the "Express Mail" mailing label or other official USPS notation, provided that:

(1) The petition is filed promptly after the person becomes aware that the Office has accorded, or will accord, a filing date other than the USPS deposit date;

(2) The number of the "Express Mail" mailing label was placed on the paper(s) or fee(s) that constitute the correspondence prior to the original mailing by "Express Mail"; and

(3) The petition includes a true copy of the "Express Mail" mailing label showing the "date-in," and of any other official notation by the USPS relied upon to show the date of deposit.

(d) Any person filing correspondence under this section that was received by the Office and delivered by the "Express Mail Post Office to Addressee" service of the USPS, who can show that the "date-in" on the "Express Mail" mailing label or other official notation entered by the USPS was incorrectly entered or omitted by the USPS, may petition the Commissioner to accord the correspondence a filing date as of the date the correspondence is shown to have been deposited with the USPS, provided that:

(1) The petition is filed promptly after the person becomes aware that the Office has accorded, or will accord, a filing date based upon an incorrect entry by the USPS;

(2) The number of the "Express Mail" mailing label was placed on the paper(s) or fee(s) that constitute the correspondence prior to the original mailing by "Express Mail"; and

(3) The petition includes a showing which establishes, to the satisfaction of the Commissioner, that the requested filing date was the date the correspondence was deposited in the "Express Mail Post Office to Addressee" service prior to the last scheduled pickup for that day. Any showing pursuant to this paragraph must be corroborated by evidence from the USPS or that came into being after deposit and within one business day of the

AUG 24 2006

The petition under 37 C.F.R. §1.10 is **GRANTED**.

The application was and is entitled to a filing date of 20 December, 2001, under the provisions of 37 C.F.R. §1.10.

The petition fee (\$130.00) is waived and refunded via Treasury check.

### BACKGROUND

The record indicates that:

- Petitioner William J. Clemens (Reg. No. 26,855) (Petitioner) alleges that this nonprovisional application was filed via Express Mail (US Postal Service (USPS) Express Mail No. EL588510693US) on 20 December, 2001;
- Petitioner indicates that upon receipt of his return receipt post card on 14 January, 2002, and the Filing Receipt on 15 February, 2002, he learned the Office had accorded a filing date of 3 January, 2002, rather than that of 20 December, 2001;
- Petitioner's receipt card (see: MPEP §503<sup>2</sup>) date-stamped 18 March, 2002, indicates that he

---

deposit of the correspondence in the "Express Mail Post Office to Addressee" service of the USPS.

(e) Any person mailing correspondence addressed as set out in § 1.1(a) to the Office with sufficient postage utilizing the "Express Mail Post Office to Addressee" service of the USPS but not received by the Office, may petition the Commissioner to consider such correspondence filed in the Office on the USPS deposit date, provided that:

(1) The petition is filed promptly after the person becomes aware that the Office has no evidence of receipt of the correspondence;

(2) The number of the "Express Mail" mailing label was placed on the paper(s) or fee(s) that constitute the correspondence prior to the original mailing by "Express Mail";

(3) The petition includes a copy of the originally deposited paper(s) or fee(s) that constitute the correspondence showing the number of the "Express Mail" mailing label thereon, a copy of any returned postcard receipt, a copy of the "Express Mail" mailing label showing the "date-in," a copy of any other official notation by the USPS relied upon to show the date of deposit, and, if the requested filing date is a date other than the "date-in" on the "Express Mail" mailing label or other official notation entered by the USPS, a showing pursuant to paragraph (d)(3) of this section that the requested filing date was the date the correspondence was deposited in the "Express Mail Post Office to Addressee" service prior to the last scheduled pickup for that day; and

(4) The petition includes a statement which establishes, to the satisfaction of the Commissioner, the original deposit of the correspondence and that the copies of the correspondence, the copy of the "Express Mail" mailing label, the copy of any returned postcard receipt, and any official notation entered by the USPS are true copies of the originally mailed correspondence, original "Express Mail" mailing label, returned postcard receipt, and official notation entered by the USPS.

(f) The Office may require additional evidence to determine if the correspondence was deposited as "Express Mail" with the USPS on the date in question.

[48 Fed. Reg. 2708, Jan. 20, 1983, added effective Feb. 27, 1983; 48 Fed. Reg. 4285, Jan. 31, 1983, paras. (a) & (c), 49 Fed. Reg. 552, Jan. 4, 1984, effective Apr. 1, 1984; paras. (a)-(c) revised and paras. (d) - (f) added, 61 Fed. Reg. 56439, Nov. 1, 1996, effective Dec. 2, 1996; paras. (d) & (e) revised, 62 Fed. Reg. 53131, Oct. 10, 1997, effective Dec. 1, 1997]

<sup>2</sup> The commentary at MPEP §503 provides in pertinent part:

**§503 Application Number and Filing Receipt**

*37 C.F.R. §1.54. Parts of application to be filed together: filing receipt.*

(a) It is desirable that all parts of the complete application be deposited in the Office together; otherwise, a letter must accompany each part.

AUG 24 2006

filed the instant petition (over a 7 March, 2002, certificate of mailing)--however, those documents are not found in the file;

- Petitioner refiled the instant petition via FAX on 2 June, 2003, and supplemented it with his statement on 18 July, 2003, and that of his secretary, Terri L. Fox, on 21 July, 2003, and including therewith a copy of the file jacket setting forth the contemporaneous recordation of the Express Mail transaction;
- while Petitioner indicates that the US Postal Service did not return to him a copy of the Express Mail label, he does include with the instant petition a copy of a print-out from the US Postal Service "Track & Confirm" data from the Internet website indicating that the package bearing USPS Express Mail No. EL588510693US was "Enroute" in the USPS system on

---

accurately and clearly connecting it with the other parts of the application. See § 1.53(f) and (g) with regard to completion of an application.

\*\*\*

If a self-addressed postcard is submitted with a patent application, that postcard will be provided with both the receipt date and application number prior to returning it to the addressee. The application number identified on such a postcard receipt is merely the preliminary assignment of an application number to the application, and should not be relied upon (e.g., with respect to foreign filings) as necessarily representing the application number assigned to such application. See 37 C.F.R. 1.53(b). The identifying data on the postcard should include:

(A) applicant's name(s);

(B) title of invention;

© number of pages of specification, claims (for nonprovisional applications), and sheets of drawing;

(D) whether oath or declaration is included;

(E) a list of any additional forms included with the application (e.g., application transmittal form, application data sheet, fee transmittal form, and/or provisional application cover sheet); and

(F) amount and manner of paying the fee.

A return postcard should be attached to *each* patent application for which a receipt is desired. It is important that the return postcard itemize all of the components of the application. If the postcard does not itemize each of the components of the application, it will not serve as evidence that any component which was not itemized was received by the United States Patent and Trademark Office (USPTO).

\*\*\*

#### RETURN POSTCARD

If a receipt of any item (e.g., paper or fee) filed in the USPTO is desired, it may be obtained by enclosing with the paper a self-addressed postcard specifically identifying the item. The USPTO will stamp the receipt date on the postcard and place it in the outgoing mail. A postcard receipt which itemizes and properly identifies the items which are being filed serves as *prima facie* evidence of receipt in the USPTO of all the items listed thereon on the date stamped thereon by the USPTO.

The identifying data on the postcard should be so complete as to clearly identify the item for which receipt is requested. For example, the postcard should identify the applicant's name, application number (if known), confirmation number (if known), filing date, interference number, title of the invention, etc. The postcard should also identify the type of paper being filed, e.g., new application, affidavit, amendment, notice of appeal, appeal brief, drawings, fees, motions, supplemental oath or declaration, petition, etc., and the number of pages being submitted. If a new application is being filed, all parts of the application being submitted should be separately listed on the postcard, e.g., the number of pages of specification (including written description, claims and abstract), number of claims, number of sheets of drawings, number of pages of oath/declaration, number of pages of cover sheet (provisional application). The postcard receipt will not serve as *prima facie* evidence of receipt of any item which is not adequately itemized on the postcard. For example, merely listing on the postcard "a complete application" or "patent application" will not serve as a proper receipt for each of the required components of an application (e.g., specification (including claims), drawings (if necessary), oath or declaration and the application filing fee) or missing portions (e.g., pages, sheets of drawings) of an application if one of the components or portion of a component is found to be missing by the USPTO. Each separate component should be specifically and properly itemized on the postcard. Furthermore, merely incorporating by reference in the postcard receipt, the items listed in a transmittal letter will not serve as *prima facie* evidence of receipt of those items.

The person receiving the item(s) in the USPTO will check the listing on the postcard against the item(s) being filed to be sure they are properly identified and that all the items listed on the postcard are presently being submitted to the USPTO. If any of the items listed on the postcard are not being submitted to the USPTO, those items will be crossed off and the post-card initialed by the person receiving the items.

Upon return of a postcard receipt from the USPTO, the postcard receipt should be promptly reviewed by the person who filed the items to ensure that every item specifically denoted on the postcard was received by the USPTO. If the postcard receipt has been annotated to indicate that a particular item denoted on the postcard was not received by the USPTO, the postcard receipt will not serve as *prima facie* evidence of receipt of that item in the USPTO.

"December 20, 2001, [at] 7:18 p.m. \* \* \* [and] " \* \* \* delivered at 11:30 a.m. on December 21, 2001 in Arlington, VA 22202 to USPTO 2327. The Item was signed for by D Boston."

CONCLUSION

Therefore, as to the instant nonprovisional application, Application No. 10/034,014, the Office of Initial Patent Examination is specifically instructed to:

- assign a filing date of 20 December, 2001; and
- issue a filing receipt specifying the filing date as that of 20 December, 2001.

The instant application is being forwarded to OIPE to be handled as set forth above before being forwarded to Publications Branch to be processed into a patent.

Telephone inquiries concerning this decision may be directed to the undersigned at (703) 305-9199.



John J. Gillon, Jr.  
Senior Attorney  
Office of Petitions



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

| APPL NO.   | FILING OR 371<br>(c) DATE | GRP ART<br>UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|-----------------|---------------|-----------------|----------|----------|----------|
| 10/034,014 | 12/20/2001                | 3635            | 870           | 1-15819         | 3        | 19       | 3        |

CONFIRMATION NO. 1878

04859

MACMILLAN SOBANSKI & TODD, LLC  
 ONE MARITIME PLAZA FOURTH FLOOR  
 720 WATER STREET  
 TOLEDO, OH 43604-1619

CORRECTED FILING RECEIPT



\*OC000000010681390\*

DOCKETED  
File No.

8/20/03 FEE



Date Mailed: 08/12/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Tian Zhou, Littau, SWITZERLAND;  
 Jean-Marie Rennetaud, Chester, NJ;

## Domestic Priority data as claimed by applicant

## Foreign Applications

EUROPEAN PATENT OFFICE (EPO) 00811229.4 12/22/2000

If Required, Foreign Filing License Granted: 02/07/2002

Projected Publication Date: Not Applicable

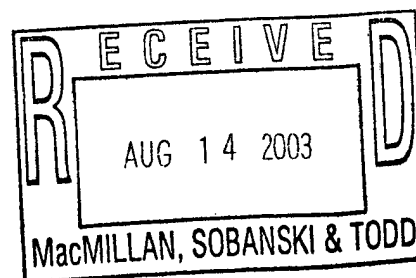
Non-Publication Request: No

Early Publication Request: No

## Title

DOOR SUSPENSION APPARATUS

## Preliminary Class



052

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



(19) **United States**  
 (12) **Patent Application Publication**  
 Zhou et al.

(10) **Pub. No.: US 2003/0221374 A9**  
 (48) **Pub. Date: Dec. 4, 2003**  
**CORRECTED PUBLICATION**

(54) **DOOR SUSPENSION APPARATUS**

**Publication Classification**

(76) **Inventors:** Tlan Zhou, Littau (CH); Jean-Marie Rennetaud, Chester, NJ (US)

(51) **Int. Cl.<sup>7</sup>** ..... **E04H 6/06**  
 (52) **U.S. Cl.** ..... **52/30; 52/204.1; 187/313; 187/336**

**Correspondence Address:**  
**MACMILLAN SOBANSKI & TODD, LLC**  
**ONE MARITIME PLAZA FOURTH FLOOR**  
**720 WATER STREET**  
**TOLEDO, OH 43604-1619 (US)**

(21) **Appl. No.:** 10/034,014

→ (22) **Filed:** Dec. 20, 2001

**Prior Publication Data**

→ (15) **Correction of US 2002/0112410 A1 Aug. 22, 2002**  
 See title page.

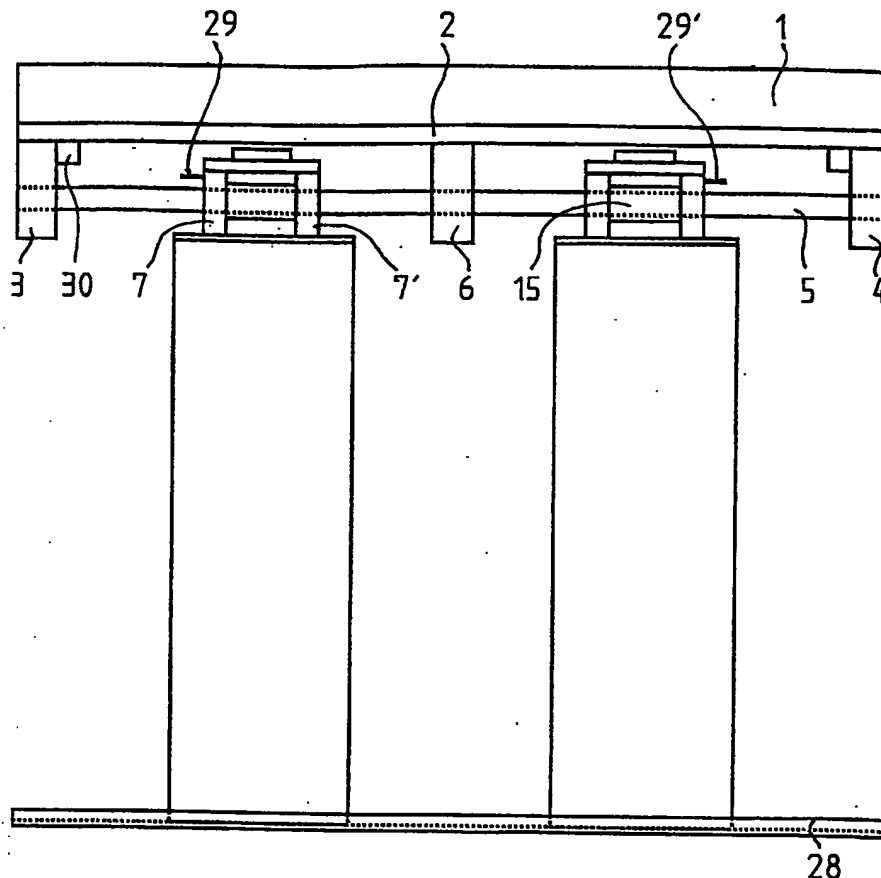
(65) **US 2002/0112410 A1 Aug. 22, 2002**

(30) **Foreign Application Priority Data**

Dec. 22, 2000 (EP) ..... 00811229.4

(57) **ABSTRACT**

A door suspension assembly includes a ferromagnetic flat plate horizontally extending from a support rail adapted to be attached to a door frame above a doorway or entrance portal. Two supporting blocks each have an opening in which a cylindrical bearing with an axial hole is located. The supporting blocks are attached to a door panel. Connectors extend downwardly from the flat plate and support a tube that extends through the holes in the bearings. A magnet array is supported by an upper plate attached to upper ends of the supporting blocks with a small magnetic gap between the magnet array and the flat plate such that the magnet array generates a magnetic force lifting the supporting blocks and the door panel. A primary of a linear motor is attached to the upper plate between the supporting blocks and cooperates with a secondary located in the interior of the tube to move the door panel relative to the flat plate.





US007013605B2

(12) **United States Patent**  
**Zhou et al.**

(10) **Patent No.:** **US 7,013,605 B2**  
(45) **Date of Patent:** **Mar. 21, 2006**

(54) **DOOR SUSPENSION APPARATUS**

(75) **Inventors:** Tlan Zhou, Littau (CH); Jean-Marie Rennetaud, Chester, NJ (US)

(73) **Assignee:** Inventio AG, Hergiswil (CH)

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 891 days.

(21) **Appl. No.:** 10/034,014

→ (22) **Filed:** Jan. 3, 2002

(65) **Prior Publication Data**

US 2003/0221374 A9 Dec. 4, 2003

(30) **Foreign Application Priority Data**

Dec. 22, 2000 (EP) ..... 00811229

(51) **Int. Cl.**  
**E04H 6/06** (2006.01)

(52) **U.S. Cl.** ..... 52/30; 52/213; 49/118;  
49/360; 49/409; 187/315; 187/316

(58) **Field of Classification Search** ..... 52/204.1,  
52/213, 30; 49/360, 409, 118; 187/315, 316;  
310/12, 13

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,698,876 A 10/1987 Karita  
4,839,543 A 6/1989 Beakley et al.  
4,876,765 A \* 10/1989 Karita ..... 16/102  
5,172,518 A 12/1992 Yoshino

5,594,316 A \* 1/1997 Hayashida ..... 320/2  
5,612,518 A \* 3/1997 Jaminet et al. .... 187/316  
5,668,355 A \* 9/1997 Jaminet et al. .... 187/316  
5,736,693 A \* 4/1998 Piech et al. .... 187/316  
5,841,082 A \* 11/1998 Rivera et al. .... 187/316  
5,862,887 A \* 1/1999 Swaybill et al. .... 187/313  
5,949,036 A \* 9/1999 Kowalczyk et al. .... 187/316  
6,467,584 B1 \* 10/2002 Yamamoto et al. .... 187/316

**FOREIGN PATENT DOCUMENTS**

DE 40 16 948 A1 11/1991  
EP 0 841 286 A1 5/1998

\* cited by examiner

*Primary Examiner*—Carl D. Friedman

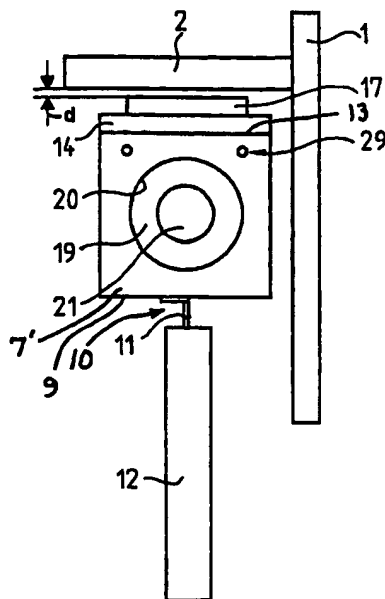
*Assistant Examiner*—Yvonne M. Horton

(74) *Attorney, Agent, or Firm*—MacMillan, Sobanski & Todd, LLC

(57) **ABSTRACT**

A door suspension assembly includes a ferromagnetic flat plate horizontally extending from a support rail adapted to be attached to a door frame above a doorway or entrance portal. Two supporting blocks each have an opening in which a cylindrical bearing with an axial hole is located. The supporting blocks are attached to a door panel. Connectors extend downwardly from the flat plate and support a tube that extends through the holes in the bearings. A magnet array is supported by an upper plate attached to upper ends of the supporting blocks with a small magnetic gap between the magnet array and the flat plate such that the magnet array generates a magnetic force lifting the supporting blocks and the door panel. A primary of a linear motor is attached to the upper plate between the supporting blocks and cooperates with a secondary located in the interior of the tube to move the door panel relative to the flat plate.

**19 Claims, 3 Drawing Sheets**



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF CORRECTION**

Page 1 of 1

Patent No.: 7,013,605  
Application No.: 10/034,014  
Issue Date: March 21, 2006  
Inventors: Zhou et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Filing Date  
(22) December 20, 2001

MAILING ADDRESS OF SENDER (Please do not use customer number below):

BUTZEL LONG  
100 Bloomfield Hills Parkway  
Suite 200  
Bloomfield Hills, Michigan 48304

This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing, and submitting the completed application to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, U. S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*